

## AMENDMENTS TO THE CLAIMS:

The listing of claims will replace all prior versions, and listings, of claims in the application:

### LISTING OF CLAIMS:

Claims 1-22 (Canceled)

23. (Currently amended) A method of regulating the temperature of a patient, comprising:

providing a heat exchange catheter system including a heat exchange catheter having a fluid path therethrough, a pair of conduits fluidly connected to the heat exchange catheter, and an external heat exchanger connected via the conduits to circulate heat exchange medium through the exchange catheter;

providing a first controller adapted to couple to the external heat exchanger of the heat exchange catheter system, the first controller including a heat and/or cold generating element therein for exchanging heat at a first rate with the heat exchange medium within the external heat exchanger;

providing a second controller adapted to couple to the external heat exchanger of the heat exchange catheter system, the second controller including a heat and/or cold generating element therein for exchanging heat at a second rate with the heat exchange medium within the external heat exchanger, the first controller and the second controller being disposed in the same physical device;

coupling the heat exchange catheter system with the first controller;

inserting the heat exchange catheter into the patient;

regulating the temperature of the patient by exchanging heat at the first rate between the generating element of the first controller and the external heat exchanger;  
de-coupling the heat exchange catheter system from the first controller;  
coupling the heat exchange catheter system with the second controller; and  
regulating the temperature of the patient by exchanging heat at the second rate between the generating element of the second controller and the external heat exchanger.

24. (Canceled) ~~The method of claim 23, wherein the first controller and the second controller are the same physical device.~~

25. (Original) The method of claim 23, wherein the first rate of heat exchange is substantially greater than the second rate of heat exchange.

26. (Original) The method of claim 25, wherein the first controller is substantially larger than the second controller.

27. (Original) The method of claim 26, wherein the first controller includes a housing on wheels and is supplied with power through an outlet.

28. (Original) The method of claim 26, wherein the second controller includes an internal battery.

29. (Original) The method of claim 26, wherein the second controller is configured to attach to a hospital bed.

Claims 30-36 (Canceled)